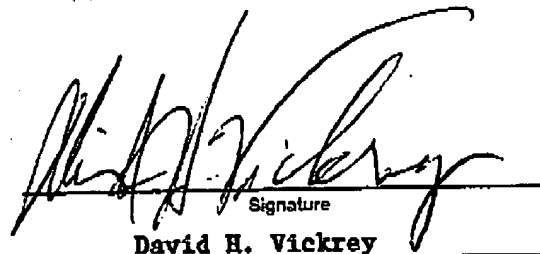


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PTO/SB/33 (07-05)

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PRE-APPEAL BRIEF REQUEST FOR REVIEW		Docket Number (Optional) <b>AND 6182/3152</b>	
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		First Named Inventor <b>Hans Hallstrom</b>	
		Art Unit <b>1731</b>	Examiner <b>Peter Chin</b>
Applicant requests review of the final rejection in the above-identified application. No amendments are being filed with this request.			
This request is being filed with a notice of appeal.			
The review is requested for the reason(s) stated on the attached sheet(s). Note: No more than five (5) pages may be provided.			
I am the		 Signature	
<input type="checkbox"/> applicant/inventor.		<b>David H. Vickrey</b> Typed or printed name	
<input type="checkbox"/> assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)			
<input checked="" type="checkbox"/> attorney or agent of record. Registration number <u>30,697</u>		<b>(914) 674-5460</b> Telephone number	
<input type="checkbox"/> attorney or agent acting under 37 CFR 1.34. Registration number if acting under 37 CFR 1.34 _____		<b>December 1, 2005</b> Date	
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.			
<input checked="" type="checkbox"/> Total of <u>1</u> forms are submitted.			

This collection of information is required by 35 U.S.C. 132. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11, 1.14 and 41.6. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Serial No. 09/674,201

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICEIn re Application of:  
HANS HALLSTROM, et al.

Serial No.: 09/674,201

Filing Date: December 6, 2000

For: A PROCESS FOR THE PRODUCTION  
OF PAPERCommissioner for Patents  
P.O. Box 1450  
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Docket: ANO 6182/3152

Examiner: Peter Chin

Group Art Unit: 1731

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I hereby certify that this NOTICE OF APPEAL and  
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by the undersigned.

  
Lynn BrushReasons for Requesting Review

The June 2, 2005 Office Action issued in the above referenced application rejects all pending claims (46, 47, 53, and 55-57) under 35 USC 102(b) as anticipated, or alternatively, under 35 USC 103(a) as obvious over Bock et al (4,831,092).

The Applicants take this opportunity to request a pre-appeal conference review since the Office Action is based on clear factual error as detailed below.

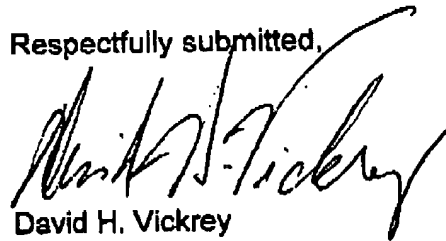
In the Detailed Action at page 2 of the Office Action, the Examiner cites Bock et al at column 7, for disclosing  $R_1=C_4$  branched alkyl. The Examiner then incorrectly equates this disclosure to the current application as follows:  $R_1=C_4$  branched alkyl=isopropyl. This is clear factual error since isopropyl is  $C_3$  (see attached page 28 from Organic Chemistry, Allinger, et.al). For this reason alone the pending claims are not anticipated by Bock et al.

Serial No. 09/674,201

Turning to the rejection under 35 USC 103(a), the Applicants draw the panel's attention to the page 7 of the response filed February 22, 2005. As pointed out there, Bock et al requires a C<sub>4</sub> and prefers at least a C<sub>6</sub>, teaching away from the currently claimed invention wherein R<sub>1</sub> is at most a C<sub>3</sub> alkyl group (n-propyl or isopropyl). In view of this information, Bock et al. does not render the current claims obvious.

The panel's review of this request, withdrawal of the rejections and allowance of the claims is respectfully requested.

Respectfully submitted,



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Reg. No.: 30,697

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# Organic Chemistry

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Organic Chemistry

Second Edition

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Printed in the United States of America

Library of Congress Catalog Card No. 75-18431

ISBN: 0-87901-050-9

Third Printing, December 1980

Worth Publishers, Inc.

444 Park Avenue South

New York, New York 10016

the International Union of Pure and Applied Chemistry (IUPAC), an organization formed by international agreement for the purpose of dealing with such problems.

In IUPAC nomenclature the longest chain in the molecule is named as the parent hydrocarbon. The atoms in this longest chain are numbered consecutively from one end so that the substituents on the chain will have the lowest possible numbers. When one portion of a hydrocarbon is considered as a substituent on another portion, the substituent is referred to as an *alkyl group*, and the general name of the compound is an *alkylalkane*.

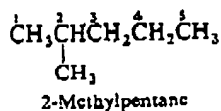
To obtain the name of the alkyl group, the *-ane* of the alkane is replaced with *-yl*. Thus  $\text{CH}_3\text{CH}_3$  is *ethane*, and  $\text{CH}_3\text{CH}_2-$  is *ethyl*. The names and shorthand symbols for the common alkyl groups are given in Table 3.2. A carbon is sometimes referred to as *primary*, *secondary*, *tertiary*, or *quaternary*, depending on whether it is attached to one, two, three, or four other carbons. The names *sec*-butyl and *tert*-butyl in Table 3.2 indicate that in these alkyl groups the points of attachment are at carbon atoms connected, respectively, to two and three other carbon atoms.

Table 3.2 Common Alkyl Groups (R—) and Related Fragments<sup>a</sup>

Group	Name	Shorthand
$\text{CH}_3-$	Methyl	Me
$\text{CH}_3\text{CH}_2-$	Ethyl	Et
$\text{CH}_3\text{CH}_2\text{CH}_2-$	<i>n</i> -Propyl	<i>n</i> -Pr
$\text{CH}_3\text{CH}-$   $\text{CH}_3$	Isopropyl	<i>i</i> -Pr
$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2-$	<i>n</i> -Butyl	<i>n</i> -Bu
$\text{CH}_3\text{CHCH}_2-$   $\text{CH}_3$	Isobutyl	<i>i</i> -Bu
$\text{CH}_3\text{CH}_2\text{CH}-$   $\text{CH}_3$	<i>sec</i> -Butyl	<i>s</i> -Bu
$\text{CH}_3\text{C}-$   $\text{CH}_3$	<i>tert</i> -Butyl (or <i>tert</i> -butyl)	<i>t</i> -Bu
$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2-$	<i>n</i> -Pentyl (alternative name: <i>n</i> -amyl)	<i>n</i> -Am
$\text{CH}_3\text{CHCH}_2\text{CH}_2-$   $\text{CH}_3$	Isopentyl (alternative name: isoamyl)	
$-\text{CH}_2-$	Methylene	
$-\text{C}-\text{H}$   $\text{CH}_3$	Methine	

<sup>a</sup> Often the symbol R— is used to mean any alkyl group (radical), and then R—H is any alkane.

Let us now consider how one would name the following compound by the IUPAC system:



The longest straight chain contains five carbon atoms, so the compound will be an alkylpentane. The alkyl group is a methyl, and we must number the pentane chain consecutively from one end in such a way as to give the carbon to which the methyl is attached as low a number as possible. If we number from the left, the methyl is on carbon 2, whereas if we number from the right, it is on carbon 4, so the first